Docket No.: 2870-0257P

AMENDMENTS TO THE CLAIMS

1. (Original) A complex pH electrode which has at least two ion-selective electrodes comprising a non-conductive support, a pair of electrode layers constituted of a silver layer and a silver halide layer and electrically insulated from each other, an electrolytic layer and an ion-selective membrane, which are laminated in this order, wherein at least one of the ion-selective electrode is a hydrogen ion-selective electrode, and which is provided with a non-conductive member having an aperture for supplying a test liquid and an aperture for supplying a reference liquid, a first delivering member for delivering said supplied test liquid to one of said ion-selective electrodes, a second delivering member for delivering said supplied reference liquid to the other of said ion-selective electrodes and a bridging member for electrically connecting said test liquid and said reference liquid:

wherein the hydrogen ion-selective membrane is saturated with carbon dioxide gas.

- 2. (Original) The complex pH electrode according to claim 1, wherein the hydrogen ion-selective membrane is a membrane composed of tri-n-dodecyl amine (TDDA), trisethylhexyl trimellitate, potassium tetrakis (p-chlorophenyl borate) and vinyl chloride-vinyl acetate copolymer.
- 3. (Original) A method for measuring pH of a test liquid, which comprises steps of:

supplying the test liquid and a reference liquid to the complex pH electrode according to claim 1, and

measuring an electric potential difference between electrodes.

- 4. (Original) The method according to claim 3, wherein the reference liquid contains bicarbonate ions having the concentration substantially equal to that of the test liquid.
- 5. (Original) The method according to claim 3, wherein the concentration of bicarbonate ions in the reference liquid is 20 to 40 mM.
 - 6. (Currently Amended) A kit of a complex pH electrode which comprises;
- a complex pH electrode, which has at least two ion-selective electrodes comprising a non-conductive support, a pair of electrode layers constituted of a silver layer and a silver halide layer and electrically insulated from each other, an electrolytic layer and an ion-selective layer, which are laminated in this order, wherein at least one of the ion-selective electrode is a hydrogen ion-selective electrode, and which is provided with a non-conductive member having an aperture for supplying a test liquid and an aperture for supplying a reference liquid, a first delivering member for delivering said supplied test liquid to one of said ion-selective electrodes, a second delivering member for delivering said supplied reference liquid to the other of said ion-selective electrodes and a bridging member for electrically connecting said test liquid and said reference liquid; and

a reference liquid containing bicarbonate ions having the concentration substantially equal to that of the test liquid; and

wherein the hydrogen ion-selective membrane of the complex pH electrode is saturated with carbon dioxide gas.

- 7. (Canceled)
- 8. (Original) The complex pH electrode kit according to claim 6, wherein the concentration of bicarbonate ions in the reference liquid is 20 to 40 mM.

9. (Currently Amended) A method for measuring pH of a test liquid which comprises steps of:

supplying the test liquid and a reference liquid to the complex pH electrode by using the complex pH electrode kit according to any of claims 6 to 8 claim 6 or 8; and measuring the electric potential difference between electrodes.

10. (Original) A pH electrode for analyzing a hydrogen ion, which comprises a non-conductive support, a pair of electrode layers constituted of a silver layer and a silver halide layer and electrically insulated from each other, an electrolytic layer and an hydrogen ion-selective membrane, which are laminated in this order, and, which is provided thereon with a first non-conductive member having an aperture for supplying a test liquid in correspondence with one of said electrode layers, a second non-conductive member having an aperture for supplying a reference liquid in correspondence with the other of said electrode layers and a bridging member for electrically connecting said test liquid and said reference liquid at apertures:

wherein the hydrogen ion-selective membrane is saturated with carbon dioxide gas.

- 11. (Original) The pH electrode according to claim 10, wherein the hydrogen ion-selective membrane is a membrane composed of tri-n-dodecyl amine (TDDA), trisethylhexyl trimellitate, potassium tetrakis (p-chlorophenyl borate) and vinyl chloride-vinyl acetate copolymer.
- 12. (Original) A method for measuring pH of a test liquid, which comprises steps of: supplying the test liquid and a reference liquid to the pH electrode according to claim 10 or 11; and

measuring the electric potential difference between electrodes.

- 13. (Original) The method according to claim 12, wherein the reference liquid contains bicarbonate ions having the concentration substantially equal to that of the test liquid.
- 14. (Original) The method according to claim 12, wherein the concentration of bicarbonate ions in the reference liquid is 20 to 40 mM.